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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/703,481	10/31/2000	Magnus Tillgren	34650-658PT	2180

7590

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EXAMINER

TRAN, DALENA

ART UNIT

PAPER NUMBER

3661

DATE MAILED: 06/11/2002

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

09/703,481

Applicant(s)

TILLEGREN ET AL.

Examiner

DALENA TRAN

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-28 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-28 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on \_\_\_\_ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

**Priority under 35 U.S.C. §§ 119 and 120**

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) 13, 14.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). \_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other:

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## **DETAILED ACTION**

### **Notice to Applicant(s)**

1. This office action is responsive to the amendment filed on 3/28/02. As per request, claims 1,7,13,14,19,24, and 27-28 have been amended. Thus, claims 1-28 are pending.

The prior art submitted on 1/2/02 and 1/7/02 have been considered.

### ***Claim Rejections - 35 USC § 102***

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claim 28, as understood by examiner, is rejected under 35 U.S.C.102(b) as being anticipated by DeLorme et al. (5,848,373).

As per claim 28, DeLorme et al. disclose a system for retrieving position-related information, comprising: a server connected to a communication network (see columns 12-14, lines 25-10), receive information relating to an optically detected portion of an address pattern via the communication network, portion of the address pattern is optically detected by a reading sensor on an electronic reading device, address pattern included on a map having a representation of a particular geographic area (see column 15, lines 5-58; and columns 62-64, lines 59-8), and identify a specific geographical location corresponding to the detected portion of the address pattern (see columns 32-34, lines 34-58).

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***Claim Rejections - 35 USC § 103***

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claims 1-27, as understood by examiner, are rejected under 35 U.S.C.103(a) as being unpatentable over DeLorme et al. (5,848,373) in view of Victor et al. (4,751,380), and DeLorme et al. (6,321,158).

As per claim 1, DeLorme et al. ('373) disclose a map including a representation of a particular geographic area (see columns 3-4, lines 55-14), and an address pattern, each position on the address pattern identified from an associated unique portion of the address pattern, each position of the address pattern corresponding to a specific geographical location within the geographical area (see columns 4-5, lines 13-17; and columns 7-8, lines 42-65). Victor et al. disclose an electronic reading device for optically detecting a portion of the address pattern (see the abstract). DeLorme et al. ('158) mention a server for identifying a specific geographical location corresponding to the detected portion of the address pattern (see column 8, lines 12-67). It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the teach of DeLorme et al. ('373) by mention an electronic reading device for optically detecting a portion of the address pattern, a server for identifying a specific geographical location corresponding to the detected portion of the address pattern for adding and

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updating the latest spatially related data, for providing software tools for map analysis and reading, and generally for communications between computer system and devices and between users in a variety of combinations.

As per claim 2, DeLorme et al. ('373) disclose the associated unique portion of the address pattern comprises a region of the address pattern at and around a position that corresponds to the specific geographical location (see columns 5-7, lines 30-2).

As per claim 3, DeLorme et al. ('158) mention server sends information relating to the specific geographical location to the electronic device (see columns 9-11, lines 1-15).

As per claim 4, DeLorme et al. ('158) mention server comprises a route description from a current geographical location to the specific geographical location (see columns 11-12, lines 16-62). It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the teach of DeLorme et al. ('373) by mention server comprises a route description from a current geographical location to the specific geographical location to provide route guidance and travel planning from starting point to destination point to driver.

As per claims 5 and 6, DeLorme et al. ('158) mention positioning device (GPS) for determining the current geographical location (see columns 12-14, lines 63-9).

As per claims 7 and 11, DeLorme et al. ('158) mention a destination location, a facility near the specific geographical location (see columns 27-28, 18-65). Victor et al. mention electronic reading device used to optically detect an additional portion of the address pattern corresponding to an original location (see column 2, lines 7-58). It would have been obvious to

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one of ordinary skill in the art at the time the invention was made to modify the teach of DeLorme et al. ('373) by mention a destination location, a facility near the specific geographical location, and electronic reading device used to optically detect an additional portion of the address pattern corresponding to an original location to determine an optimum route to travel for the user between locations in a geographical region.

Also as per claim 8, DeLorme et al.('158) mention server comprises a route description from the original location to the destination location (see columns 15-18, lines 60-3). It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the teach of DeLorme et al. ('373) by mention geographical location comprises a destination location, and the electronic reading device detect an additional portion of the address pattern corresponding to an original location to determine an optimum route to travel for the user between locations in a geographic region.

As per claim 9, DeLorme et al.('158) mention a suggested form of transport (see columns 35-36, lines 52-16; and columns 38-39, lines 57-47). It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the teach of DeLorme et al. ('373) by mention a suggested form of transport to provide a user a variation of travel choices.

As per claim 10, DeLorme et al.('158) disclose the information sent by the server comprises at least one of a distance and a direction from the origination location to the

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destination location (see column 14, lines 8-64). It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the teach of DeLorme et al. ('373) by mention the information sent by the server comprises at least one of a distance and a direction from the origination location to the destination location to assist driver in choosing a shortest and quickest travel route.

As per claim 12, DeLorme et al.('158) disclose the electronic device includes a display screen and an Internet browser for displaying the information sent by the server (see columns 25-26, lines 36-33).

As per claim 13, DeLorme et al.('158) disclose the server sending information relating to facilities within the selected area (see columns 29-30, lines 26-68). Victor et al. mention the electronic reading device optically detects a plurality of positions on the address pattern (see columns 3-4, lines 67-45).

Claims 14-16 are method claims corresponding to system claims 1-3 above. Therefore, they are rejected for the same rationales set forth as above.

Claims 17-18 are method claims corresponding to system claims 4-5 above. Therefore, they are rejected for the same rationales set forth as above.

Claim 19 is method claims corresponding to system claim 7 above. Therefore, it is rejected for the same rationales set forth as above.

Claims 20-21 are method claims corresponding to system claims 9 above. Therefore, they are rejected for the same rationales set forth as above.

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Claims 22 and 23 are method claims corresponding to system claims 11 and 13 above. Therefore, they are rejected for the same rationales set forth as above.

As per claim 24, DeLorme et al.('158) disclose identifying a feature of the identified geographical area (see columns 26-27, lines 34-17; column 30, lines 47-68; and columns 39-40, lines 48-54). Victor et al. mention optically detecting a selected position involves optically detecting a plurality of selected positions (see columns 4-5, lines 46-48). It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the teach of DeLorme et al. ('373) by mention optically detecting a selected position involves optically detecting a plurality of selected positions for interpreting the position of the electronic reading device with respect to the grid.

Claim 25 is method claims corresponding to system claim 10 above. Therefore, it is rejected for the same rationales set forth as above.

As per claim 26, DeLorme et al.('158) disclose tracing a route on a map that includes the address pattern, and calculating a distance between a first and second position (see columns 31-32, lines 38-4).

As per claim 27, Victor et al. disclose a method for producing a map for use with an electronic reading device, comprising: assigning each position of a selected, optically detectable address pattern to a corresponding geographical location (see columns 3-4, lines 67-45), and identifying a region of the selected, optically detectable address pattern that corresponds to a geographical area to be presented on a map (see columns 5-7, lines 49-14). DeLorme et al.



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('373) disclose printing the map on the identified region of the selected, optically detectable address pattern (see column 15, lines 5-58; and columns 62-64, lines 59-8).

### **Remarks**

6. Applicant's argument files on 3/28/02 have been fully considered and they are deemed to be persuasive. However, upon updated search and the amended claims, the new ground of rejection has been set forth as above.

Generally applicant's argue about DeLorme et al. ('158) reference does not teach an address pattern or the use of an electronic reading device to optically detect a position of an address pattern. The new cited references DeLorme et al. ('373), and Victor et al. (4,751,380) have been disclose the use of an electronic reading device to optically detect a position of an address pattern as cited in items 3 and 5 above.

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dalena Tran whose telephone number is (703)308-8223. The examiner can normally be reached on Monday-Friday from 7:00AM-4:00PM.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, William Cuchlinski, can be reached on (703) 308-3873. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 305-7687.

Any inquiry of a general nature or relating to the status of this application should be directed to the Group receptionist whose telephone number is (703) 308-1113.

  
TAN NGUYEN  
PRIMARY EXAMINER

/dt  
May 30, 2002